

Claims

1. A channel switching method of a CDMA mobile wireless system comprising the steps of: periodically measuring of the average effective Data Rate of the transmission being carried out; comparing the measured average effective Data Rate with a threshold value; and switching between a common channel and a dedicated channel based on the comparison results, wherein

at least one of the threshold value and the measurement period for the average effective Data Rate is controlled in accordance with at least one of a value related to the mode of the changes of the measured average effective Data Rate and the number of subscribers of the system.

2. A channel switching method of a CDMA mobile wireless system according to claim 1, comprising a step of controlling the threshold value based on the frequency of switching between the channels.

3. A channel switching method of a CDMA mobile wireless system according to claim 1, comprising a step of controlling the measurement period based on the frequency of switching between the channels.

4. A channel switching method of a CDMA mobile wireless system according to claim 1, comprising a step of separately controlling the threshold value for determining

switching of the common channel, and a threshold value for determining switching of the dedicated channel which form the threshold value, based on the frequency of switching between the respective channels.

5. The channel switching method of the CDMA mobile wireless system according to claim 1, comprising a step of controlling the threshold value based on the length of time that the common channel state is maintained.

6. A channel switching method of the CDMA mobile wireless system according to claim 1, comprising a step of controlling the threshold value based on increase and decrease of the average effective Data Rate.

7. A channel switching method of the CDMA mobile wireless system according to claim 1, comprising a step of controlling the threshold value based on the number of subscribers.

8. A base station of the CDMA mobile wireless system comprising: an effective Data Rate measuring portion which periodically measures the average effective Data Rate of the transmission being carried out; a comparison portion which compares the measured effective Data Rate with a threshold value; and a channel switching control portion which carries out switching between the common channel and the dedicated channel based on the comparison results, wherein

at least one of the threshold value and the measuring period for the average effective Data Rate is controlled in

accordance with at least one of a value related to the mode of the changes of the measured average effective Data Rate and the number of subscribers of the system.

9. A base station of the CDMA mobile wireless system according to claim 8, wherein the threshold value is controlled based on the frequency of switching between the channels.

10. A base station of the CDMA mobile wireless system according to claim 8, wherein the period of measurement is controlled based on the frequency of switching between the channels.

11. A base station of the CDMA mobile wireless system according to claim 8, wherein the threshold value is separately controlled for determining channel switching of the common channel and the threshold value for determining channel switching of the dedicated channel which form the threshold value based on the frequency of switching between the respective channels.

12. A base station of the CDMA mobile wireless system according to claim 8, wherein the threshold value is controlled based on the length of time that the common channel state is maintained.

13. A base station of the CDMA mobile wireless system according to claim 8, wherein the threshold value is controlled based on increase and decrease of the average effective Data Rate.

14. A base station of the CDMA mobile wireless

system according to claim 8, wherein the threshold value is controlled based on the number of subscribers.